

TABLE 9.1
CLIMATIC ZONE 100B/C

No-till C Factors - High production(Corn 150 bu, Soybeans 45 bu)

Corn after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn				.03	.023	.019	.014	.01										
corn silage w/cover	.1	.073	.055	.043	.035	.026	.02	.015										
corn silage	.15		.082	.065	.053	.045												
small grain-baled	.048	.034	.025	.02	.015	.012	.008	.006										
soybeans	.16	.11	.091	.073	.06	.048	.04											
soybeans w/narrow row																		
small grain	.088	.063	.049	.038	.03	.024	.018	.013										
meadow	.048	.034	.025	.02	.015	.012	.008	.006										

Wide Row Soybeans after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn		0.075	.058	.045	.038	.03	.025	.018										
corn silage w/cover																		
corn silage	.18		.17	.16														
small grain	.062	.045	.036	.03	.024	.02	.016	.013										
soybeans	.16	.125	.102	.085														
meadow	0.04	0.029	0.023	0.018	0.014													

Narrow Row Soybeans after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.063	.045	.035	.03	.025	.02	.015	.012										
corn silage w/cover																		
corn silage	.15		.13	.12														
small grain	.06	.044	.035	.028	.024	.02	.016											
soybeans																		
meadow	.04	.03	.024	.019	.016													

Spring Small Grain (Baled) after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.015	.011	.009	.007	.005	.004	.003											
corn silage	.036		.02	.015	.012	.009												
soybeans																		
soybeans w/narrow row																		

* - Residue levels will normally be below 10% cover.

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No-till C Factors - High production(Corn 150 bu, Soybeans 45 bu)

Corn Silage after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.092	.065	.05	.04	.03	.025	.018	.013										
corn silage																		
small grain	.11	.076	.06	.046	.038	.03	.024	.017										
soybeans	.21	.15	.12	.09	.075	.06	.045											
soybeans w/narrow row																		
meadow	.045	.033	.025	.02	.018	.014	.012	.009										

Oats w/ meadow after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	0.13	.009	.007	.005	.004	.003	.002	.001										
corn silage	.038		.025	.022	.018	.016	.015	.012										
soybeans																		
soybeans w/narrow row																		

Corn Silage w/cover after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	0.93	.067	.052	.04	.032	.025	.02	.015										
corn silage w/cover	0.75	.055	.042	.033	.027	.021	.016	.013										
soybeans																		
soybeans w/narrow row																		

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TABLE 9.1
CLIMATIC ZONE 100B/C
 No-till C Factors -Medium production (Corn 125 bu, Soybean 35 bu)

Corn after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	0.93	.067	.051	.04	.032	.025	.018	.013										
corn silage w/cover	.13	.09	.07	.055	.043	.035	.025	.018										
corn silage	*.13	.095	.08							*								
small grain	.11	.079	.06	.047	.037	.03	.023	.016										
soybeans	.17	.13	.1	.085	.072	.058	.049											
soybeans w/narrow row																		
meadow	.032	.025	.016	.015	.011	.01	.006	.005										

Wide Row Soybeans after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.13	.09	.07	.055	.045	.038	.03	.025										
corn silage w/cover																		
corn silage	*.22	.2	.19							*								
small grain	.09	.065	.052	.042	.035	.028	.023											
soybeans	.8	.15	.12	.11	.093	.083	.073											
meadow	.047	.034	.026	.021	.017	.013												

Narrow Row Soybeans after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.075	.055	.043	.035	.028	.028	.019	.015										
corn silage w/cover																		
corn silage	*.16	.15	.14							*								
small grain-	.08	.06	.046	.038	.032	.026												
soybeans	.15	.11	.095	.08	.07	.065												
meadow	.043	.032	.025	.021	.017													

Spring Small Grain (Baled) after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.02	.014	.011	.008	.007	.005	.004	.003										
corn silage	*.04			.023	.018	.014	.011			*								
soybeans																		
soybeans w/narrow row																		

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TABLE 9.1
CLIMATIC ZONE 100B/C
 No-till C Factors -Medium production (Corn 125 bu, Soybean 35 bu)

Corn Silage after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.11	.075	.056	.045	.035	.028	.02	.015										
corn silage w/cover	.14		.08	.065	.05	.04	.033	.025		*								
small grain	.13	.09	.07	.055	.045	.035	.025											
soybeans	.23	.17	.13	.11	.085	.065												
soybeans w/narrow row																		
meadow	.034	.024	.019	.015	.012	.09												

Oats w/meadow after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn			.007	.005	.004	.003	.002	.001										
corn silage	*.045									*								
soybeans																		
soybeans w/narrow row																		

Corn Silage w/cover after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.12	.085	.065	.05	.04	.03	.025	.018										
corn silage w/cover	.1	.075	.055	.045	.035	.028	.022	.016										
soybeans																		
soybeans w/narrow row																		

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TABLE 9.1
CLIMATIC ZONE 100B/C

No-till C Factors -Low production (Corn 100 bu, Soybean 25 bu)

Corn after		Not cultivated									Cultivated								
		10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
	corn	.14	.097	.075	.058	.045	.035	.025	.018										
	corn silage w/cover	.18	.13	.095	.075	.058	.045	.032	.023										
	corn silage	0.16*	.123	.105							*								
	small grain	.15	.11	.08	.063	.05	.038	.03	.02										
	soybeans	.21	.16	.13	.11	.09	.076												
	soybeans w/narrow row																		
	small grain-																		
	meadow	.04	.03	.025	.011	.011	.01	.01	.009										

Wide Row Soybeans after		Not cultivated									Cultivated								
		10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn		.15	.11	.09	.07	.06	.05	.04	.03										
corn silage w/cover																			
corn silage		.25	.23	.22															
small grain-baled																			
soybeans		.2	.16	.14	.12	.11	.095	.086	.08										
meadow		.053	.038	.03	.024	.018													

Narrow Row Soybeans after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.085	.065	.05	.042	.035	.03	.025											
corn silage w/cover																		
corn silage	*.19	.17								*								
small grain																		
soybeans	.15	.13	.11	.09	.08	.075												
meadow	.045	.034	.027	.022	.018													

* - Residue levels will normally be below 10% cover.

TABLE 9.1
CLIMATIC ZONE 100B/C

No-till C Factors -Low production (Corn 100 bu, Soybean 25 bu)

Spring Small Grain (Baled) after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.025	.018	.014	.011	.009	.007	.005											
corn silage	*.036									*								
soybeans																		
soybeans w/narrow row																		

Corn Silage after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.15	.1	.08	.063	.05	.039	.03	.022										
corn silage w/cover	.18	.14	.11	.085	.07	.055	.045	.035		*								
small grain-	.17	.12	.085	.074	.058	.044	.034											
soybeans	.29	.21	.16	.13	.1	.08												
soybeans w/narrow row																		
meadow	.065	.048	.038	.031	.025	.021	.018	.014										

Oats w/meadow after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn			.008	.006	.005	.003	.002											
corn silage	*.048		.032	.028	.025					*								
soybeans																		
soybeans w/narrow row																		

Corn Silage w/cover after	Not cultivated									Cultivated								
	10	20	30	40	50	60	70	80	90	10	20	30	40	50	60	70	80	90
corn	.15	.11	.085	.065	.054	.042	.033	.024										
corn silage w/cover	.15	.11	.085	.065	.05	.04	.03	.025										
soybeans																		
soybeans w/narrow row																		

* - Residue levels will normally be below 10% cover.